

TABLE

Comparison of amino acid sequences between Curculin and Noeculin

-22 -21 -20 -19 -18 -17 -16 -15 -14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49
Curculin (Yamashita et al. 1990)	D N V L L S G Q T L H A D H S L Q A G A Y T L T I Q N N C N L V K Y Q N G R Q I W A S N T D R R G
Noeculin acidic subunit (NAS)	D S V L L S G Q T L Y A G H S L T S G S Y T L I I Q N N C N L V K Y Q H G R Q I W A S D T D G O G
NAS precursor (PNAS)	M A A K F L L T I L V T F A A V A S L G M A D S V L L S G Q T L Y A G H S L T S G S Y T L I I Q N N C N L V K Y Q H G R Q I W A S D T D G O G
Curculin (Yamashita et al. 1990)	50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146
Curculin (Yamashita et al. 1990)	S G C R L T L L S D G N L V I Y D H N N D V N G S A C C G D A G K Y A L V L Q K D G R F V I Y G P V L W S L G P N G C R R V N G
Noeculin acidic subunit (NAS)	S Q C R L T L R S D C N L I Y D D N N M V W G S D C W G N N G T Y A L V L Q Q D G U F V I Y G P V L W P L S L N G C R S L N
NAS precursor (PNAS)	S Q C R L T L R S D G N L I Y D D N N M V W G S D C W G N N G T Y A L V L Q Q D G I F V I Y G P V L W P L S L N G C R S L N
Curculin (Yamashita et al. 1990)	+7 +8 +9 +10 +11 +12 +13 +14 +15 +16 +17 +18 +19 +20 +21 +22 +23
Noeculin acidic subunit (NAS)	K D S T E P Q H E D I K M V I N N
NAS precursor (PNAS)	

Amino Acid Codes

Ala A Alanine
Arg R Arginine
Asn N Asparagine
Asp D Aspartic acid
Cys C Cysteine
Gln Q Glutamine
Glu E Glutamic acid
Gly G Glycine
His H Histidine
Ile I Isoleucine
Ile L Leucine
Lys K Lysine
Met M Methionine
Pho F Phenylalanine
Pro P Proline
Ser S Serine
Thr T Threonine
Trp W Tryptophan
Tyr Y Tyrosine
Val V Valine
Asp B Asn or Asp
Glx Z Gin or Glu
Unk X Unknown